

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/05563

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C08F220/34 C11D3/37 C11D1/62 D06M13/46

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C08F C11D D06M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	WO 02 057400 A (COLGATE PALMOLIVE CO) 25 July 2002 (2002-07-25)  page 2, line 20 -page 3, line 15 claims 1-18; figures; examples page 7, line 17 -page 9, line 19 page 10, line 19 - line 24 ---	1,3-8, 13,14, 19-23
X	ANONYMOUS: "Cationic polymeric thickeners useful in fabric softeners" RESEARCH DISCLOSURE, KENNETH MASON PUBLICATIONS, HAMPSHIRE, GB, vol. 429, no. 116, January 2000 (2000-01), XP007125401 ISSN: 0374-4353 the whole document --- -/--	1-37

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

8 October 2003

Date of mailing of the international search report

14/10/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3016

Authorized officer

Hollender, C

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/05563

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 340 865 A (NEFF ROGER E ET AL) 23 August 1994 (1994-08-23) claims 1-4; examples; table 2 column 2, line 25 - line 57 column 3, line 25 - line 29 column 4, line 27 - line 48	1-14, 24-37
X	EP 0 374 458 A (AMERICAN CYANAMID CO) 27 June 1990 (1990-06-27)  page 5, line 16 - line 55 examples 5C, 7C, 11, 30, 35C, 36, 37B; tables 1, 2, 7-10 claims 1-6	1-8, 10, 11, 13, 14, 24-29, 33, 34
X	FR 2 589 145 A (SNF SA) 30 April 1987 (1987-04-30) claims 1-5, 7; examples 1, 2, 4, 6 page 5, line 3 - page 6, line 1	1, 3-18, 24-37
X	US 5 180 473 A (AKUNE KENICHI ET AL) 19 January 1993 (1993-01-19) claims 1, 6; figure 1 column 2, line 20 - column 3, line 25 column 3, line 47 - column 4, line 2 column 4, line 23 - line 37; column 4, line 61 - column 5, line 31; examples 7-14, 23-26, 33-41; tables 1-4	24-32, 36, 37
A		1-9, 13-17
X	DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; YAMAMOTO, SATOSHI ET AL: "Polymer additives for paper making to give mechanical strength and improved freeness and their manufacture" retrieved from STN Database accession no. 126:187583 CA XP002219917 abstract -& PATENT ABSTRACTS OF JAPAN vol. 1997, no. 05, 30 May 1997 (1997-05-30) & JP 09 003793 A (SUMITOMO CHEM CO LTD), 7 January 1997 (1997-01-07) abstract -& JP 09 003793 A (SUMITOMO CHEMICAL CO, JAPAN) 7 January 1997 (1997-01-07)	1, 3, 5-14, 24, 25, 27-35
X	FR 2 812 295 A (SNF) 1 February 2002 (2002-02-01) claims 1, 5, 6, 10-20; examples 2, 3	24, 25, 27-29, 33

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/05563

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 02057400	A	25-07-2002	US 2002132749 A1 CA 2433328 A1 NO 20032940 A WO 02057400 A2	19-09-2002 25-07-2002 14-08-2003 25-07-2002
US 5340865	A	23-08-1994	US 4968435 A US 5152903 A	06-11-1990 06-10-1992
EP 0374458	A	27-06-1990	AT 118224 T AU 623717 B2 AU 4688689 A BR 8906585 A CA 2005680 A1 CZ 8907165 A3 DE 68921053 D1 DE 68921053 T2 EP 0374458 A2 ES 2067517 T3 GR 3015203 T3 JP 2219887 A JP 2975618 B2 KR 138524 B1 LT 1576 A ,B LT 1578 A ,B LV 11330 A LV 11330 B LV 10964 A LV 10964 B MX 18620 A SK 716589 A3 RU 2040528 C1 RU 2026867 C1 US 5945494 A US 6147176 A US 5882525 A ZA 8909694 A US 5919882 A US 6191242 B1 US 5961840 A	15-02-1995 21-05-1992 21-06-1990 04-09-1990 19-06-1990 14-05-1997 23-03-1995 01-06-1995 27-06-1990 01-04-1995 31-05-1995 03-09-1990 10-11-1999 01-05-1998 26-06-1995 26-06-1995 20-06-1996 20-12-1996 20-12-1995 20-06-1996 01-10-1993 08-10-1999 25-07-1995 20-01-1995 31-08-1999 14-11-2000 16-03-1999 26-09-1990 06-07-1999 20-02-2001 05-10-1999
FR 2589145	A	30-04-1987	FR 2589145 A1	30-04-1987
US 5180473	A	19-01-1993	JP 2575692 B2 JP 63235596 A	29-01-1997 30-09-1988
FR 2812295	A	01-02-2002	FR 2812295 A1 AU 7760501 A EP 1311553 A1 WO 0210225 A1	01-02-2002 13-02-2002 21-05-2003 07-02-2002